

**SCN 2019-22 Round One Funding Results: Accelerating Clinical Translation program**

Principal Investigator with Co-Investigators and Collaborators	Project Title	SCN Funds Allocated
<p><b>Zachary Laksman</b>, University of British Columbia (UBC)</p> <p>Gordon Keller (University Health Network) Glen Tibbits (UBC), Liam Brunham (UBC), David Voadlo (Simon Fraser University), Francis Lynn (UBC), Lior Gepstein (Technion – Israel Institute of Technology), Patrick Boyle (University of Washington), Shubhayan Sanatani (BC Children’s Hospital Research Institute)</p>	<p>Pipeline Towards Stem Cell Driven Personalized Medicine for Atrial Fibrillation</p>	<p>\$586,000</p>
<p><b>Michael Laflamme</b>, McEwen Stem Cell Institute, University Health Network (UHN)</p> <p>Nilesh Ghugre (Sunnybrook Research Institute), Graham Wright (Sunnybrook Research Institute), Gordon Keller (UHN), Ren-Ke Li (UHN), Terrence Yau (UHN), Kumaraswamy Nanthakumar (UHN), Lior Gepstein (Technion – Israel Institute of Technology), Matthew Kay (George Washington University)</p>	<p>Heart Regeneration with Mature Ventricular Cardiomyocytes from Human Pluripotent Stem Cells</p>	<p>\$599,685</p>
<p><b>M. Cristina Nostro</b>, McEwen Stem Cell Institute, University Health Network (UHN), University of Toronto</p> <p>Greg Korbitt (University of Alberta), Andrew Pepper (University of Alberta), Esme Dijke (University of Alberta), James Shapiro (University of Alberta), Joanna Preston (TEC Edmonton), Atul Humar (UHN)</p>	<p>Co-localized hiPSC-derived Beta Cells and Immunosuppression-loaded Micelles as a Novel Approach for T1D Treatment</p>	<p>\$600,000</p>

<p><b>Bruce Verchere</b>, University of British Columbia (UBC)</p> <p>Francis Lynn (UBC), Megan Levings (UBC), Tim Kieffer (UBC), Dina Panagiotopoulos (UBC), Brad Hoffman (UBC), Greg Korbutt (University of Alberta)</p>	<p>Genetic Manipulation of hES-derived Insulin-producing Cells to Improve Graft Outcomes</p>	<p>\$600,000</p>
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### SCN 2019-22 Round One Funding Results: *Fueling Biotechnology Partnerships* program

Principal Investigator with Co-Investigators and Collaborators	Project Title	SCN Funds Allocated
<p><b>Gilbert Bernier</b>, Hôpital Maisonneuve-Rosemont (HMR), Université de Montréal (UMontréal)</p> <p>May Griffith (HMR), Jean-François Bouchard (UMontréal), Stéphane Faubert (St-Hyacinthe Veterinary School), Cynthia Qian (HMR), Flavio Rezende (HMR)</p>	<p>Photoreceptor Transplantation for the Treatment of Retinal Degenerative Diseases</p>	<p>\$500,000</p>
<p><b>Tim Kieffer</b>, University of British Columbia (UBC)</p> <p>Corinne Hoesli (McGill University), James Piret (UBC), Megan Levings (UBC), Steven Paraskevas (The Research Institute of McGill University Health Centre), Richard Leask (McGill University), Patrick MacDonald (University of Alberta)</p>	<p>A Bioprinted Insulin-Producing Device for Diabetes</p>	<p>\$500,000</p>
<p><b>Massimiliano Paganelli</b> (CHU-Sainte-Justine, Université de Montréal (UMontréal))</p> <p>Christopher Rose (UMontréal), Michel Lallier (CHU-Sainte-Justine), Constantine Karvellas (University of Alberta), Siofradh McMahon (CCRM)</p>	<p>iPSC-derived Encapsulated Liver Tissue to Treat Acute Liver Failure: Pivotal Confirmation in Large Animals</p>	<p>\$500,000</p>

## SCN 2019-22 Round One Funding Results: *Advancing Clinical Trials* program

Principal Investigator with Co-Investigators and Collaborators	Project Title	SCN Funds Allocated
<p><b>Sandra Cohen</b>, Hôpital Maisonneuve-Rosemont (HMR), Université de Montréal (UMontréal)</p> <p>Jean-Sébastien Delisle (HMR), Gizelle Popradi (McGill University Hospital Center), Frédéric Barabé (Centre de recherche CHU de Québec-Université Laval), Nadia Bambace (HMR), Léa Bernard (HMR), Guy Sauvageau (UMontréal), Josée Hébert (UMontréal), Filippo Milano (Fred Hutchinson Cancer Research Center), Peter Zandstra (University of British Columbia), Sébastien Lemieux (UMontréal), Gabriel Tremblay (Purple Squirrel Economics), Lambert Busque (HMR), Denis-Claude Roy (HMR)</p>	<p>UM171-Expanded Cord Blood Grafts Offer Potential Cure for Very High-Risk Leukemia Patients</p>	<p>\$1,000,000</p>
<p><b>Lucie Germain</b>, Université Laval (ULaval)</p> <p>François A. Auger (ULaval), Bartha M. Knoppers (McGill University), Richard Bazin (ULaval), Isabelle Brunette (UMontréal), Allan Slomovic (Toronto Western Hospital), Mohib Morcos (McGill University), Michel Ouellet (Patient representative), Charles Giguère (Centre de recherche de l'Institut universitaire en santé mentale de Montréal)</p>	<p>Cultured Epithelial Corneal Autografts for the Treatment of Canadians with Limbal Stem Cell Deficiency</p>	<p>\$500,000</p>
<p><b>Véronique Moulin</b>, Université Laval (ULaval)</p> <p>François A. Auger (ULaval), Lucie Germain (ULaval), Bartha M. Knoppers (McGill University), Isabelle Perreault (CHU-Sainte-Justine), Sarvesh Logsetty (Winnipeg Burn Unit), Ariane Bussière (Québec Burn Unit), Patricia Bortoluzzi (CHU-Sainte-Justine), Vince Gabriel (Calgary Firefighter Burn Treatment Centre), Duncan Nickerson (Calgary Firefighter Burn Treatment Centre), Sally Hynes (BC Children's Hospital Research Institute), Edward Tredget (Walter C. Mackenzie Health Sciences Centre), Josh Wong (Walter C. Mackenzie Health Sciences Centre), Peter Kwan</p>	<p>Self-Assembly Skin Substitutes (SASS) for the Treatment of Acute Wounds of Canadian Burn Patients</p>	<p>\$470,645</p>

(Walter C. Mackenzie Health Sciences Centre), Joel Fish (The Hospital for Sick Children), Claudia Malik (Children's Hospital of Eastern Ontario), Marc Jeschke (Sunnybrook Research Institute), Sue-Ling Chang (Patient representative)		
<b>Bernard Thébaud</b> , Ottawa Hospital Research Institute (OHRI), University of Ottawa (UOttawa), Children's Hospital of Eastern Ontario (CHEO)  Dean Fergusson (OHRI), Justin Presseau (UOttawa), Kednapa Thavorn (UOttawa), Brigitte Lemyre (CHEO), Mario Ruediger (Technische Universität Dresden), Nadya Ben Fadel (CHEO), Robert Jankov (CHEO), Jana Feberova (CHEO), David Courtman (OHRI)	HULC-I: Helping Underdeveloped Lungs with Mesenchymal Stromal Cells – A phase I Trial	\$638,150

### SCN 2019-22 Round One Funding Results: *Translation and Society* program

Principal Investigator with Co-Investigators and Collaborators	Project Title	SCN Funds Allocated
<b>Bartha M. Knoppers</b> , McGill University  Christine Bear (The Hospital for Sick Children), Felix Ratjen (The Hospital for Sick Children), Amy Wong (The Hospital for Sick Children), Paul Eckford (The Hospital for Sick Children), Elizabeth Stephenson (The Hospital for Sick Children), Michael Szego (University of Toronto), Julie Fradette (Université Laval), Mark Rothstein (University of Louisville School of Medicine)	Ethical and Legal Framework for <i>Direct-to-Participant</i> (DTP) Recruitment	\$ 75,000

## SCN 2019-22 Round One Funding Results: *Disruptive Research Award*

Principal Investigator with Co-Investigators and Collaborators	Project Title	SCN Funds Allocated
<b>Florian Bentzinger</b> , Université de Sherbrooke (USherbrooke)  Eric Marsault (USherbrooke), Penney Gilbert (University of Toronto), Mannix Auger-Messier (USherbrooke), Ubaka Ogbogu (University of Alberta), Jerome Feige (Nestlé Research), Nicolas Dumont (CHU-Sainte-Justine), Alison McGuigan (University of Toronto)	Targeting Endogenous Repair: A Novel Mutation Independent Pharmacological Approach for Treatment of Muscular Dystrophy	\$330,000

## SCN 2019-22 Round One Funding Results Summary

Applications Received	Applications Recommended for Funding	Percentage of Successful Applications	Total Investment
37	13	35%	\$6.9 million

\* Project titles posted as per the language of submission